Ship Maintenance Organization

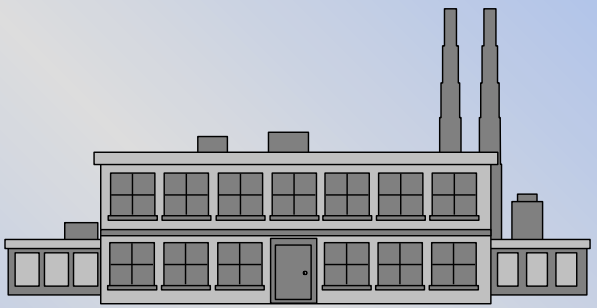
FROM KNOWLEDGE

"Prompt and Sustained Combat Operations at Sea on a Continuing Basis"

Chief of Naval Operation

EFFECTIVENESS

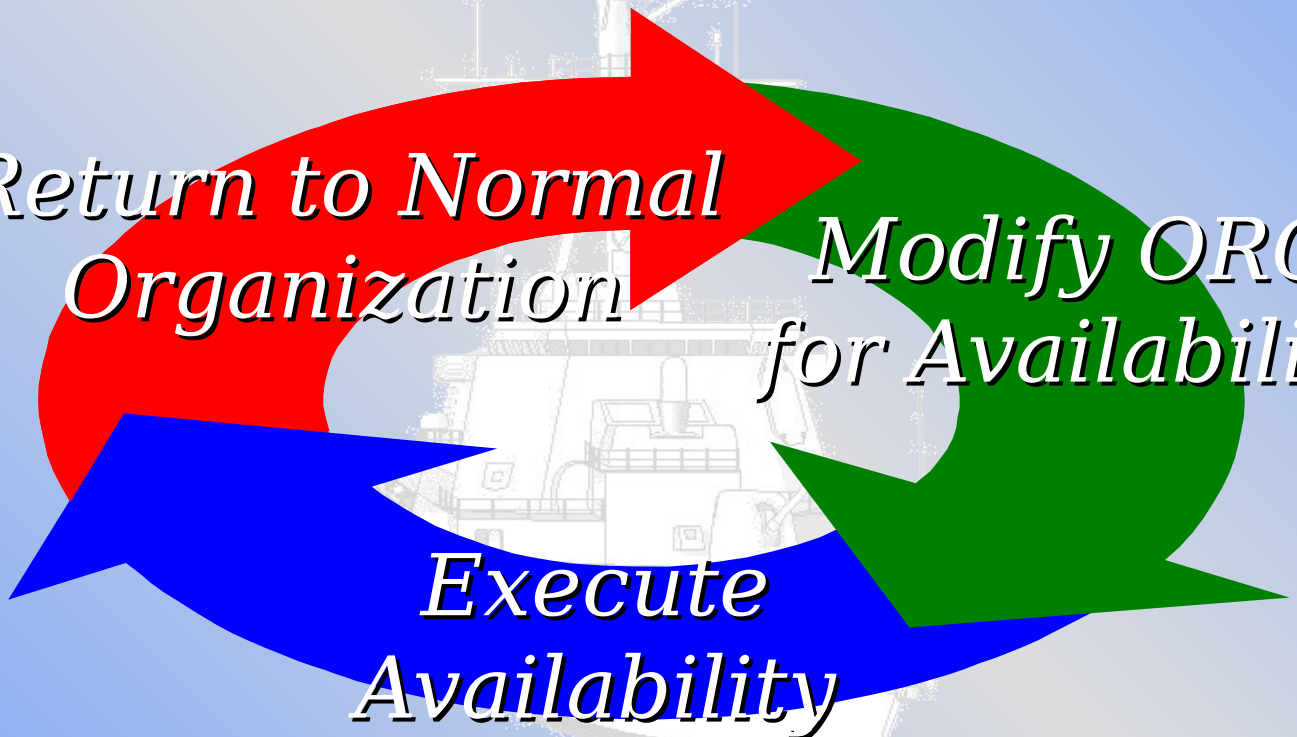
Aboard Ship



Ashore

Part 3 of 4

Ship's Maintenance Availability Organization

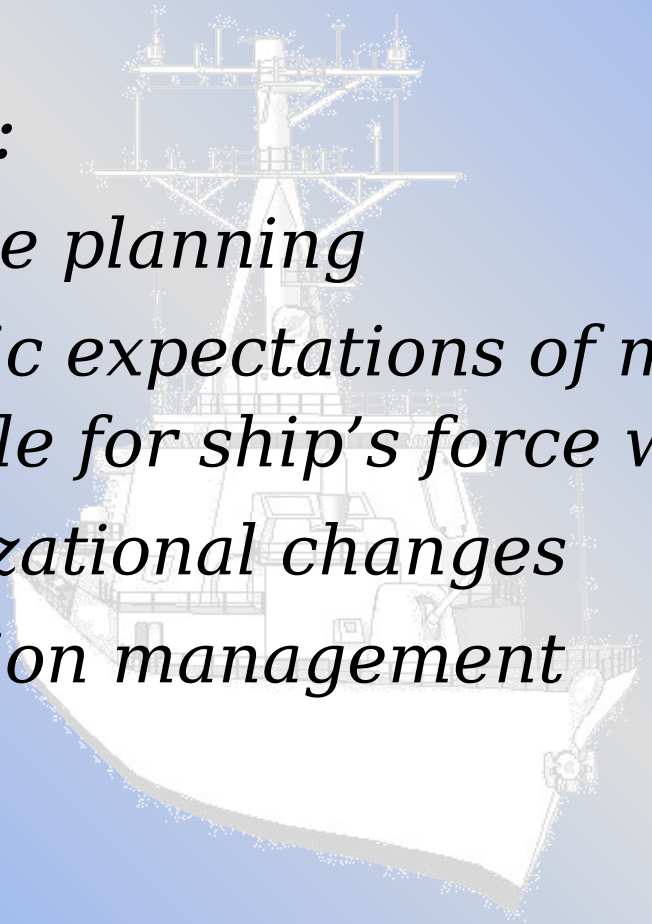


In Support of Industrial Availability

Availability Management Issues

Consider:

- *Advance planning*
- *Realistic expectations of man hours available for ship's force work*
- *Organizational changes*
- *Execution management*

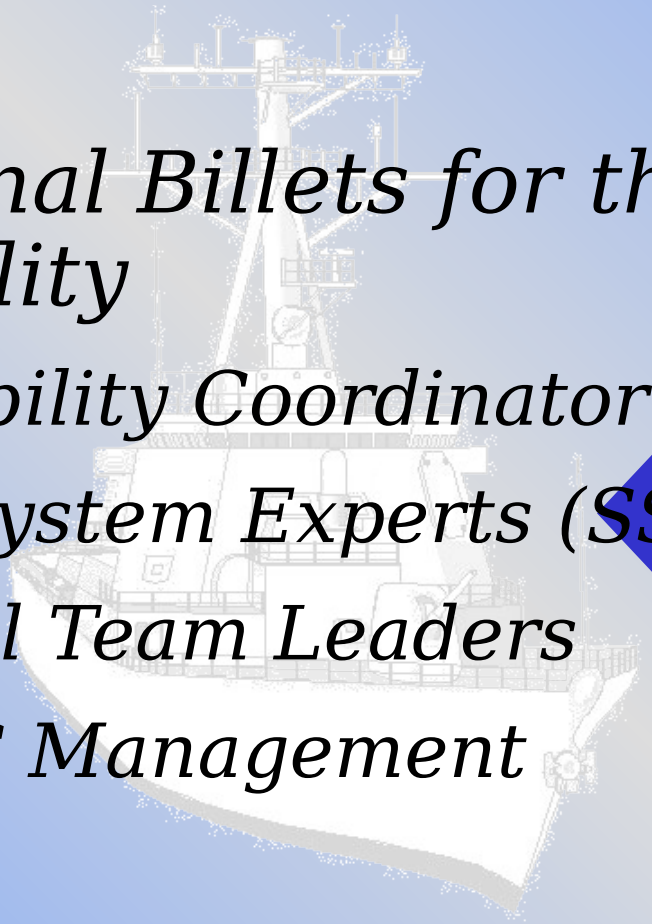


Availability Advance Planning Key Milestones for Ship

- *Assessments (A-630 to A-120)*
- *Work Candidate validation (Continuous)*
- *Work Specification review (A-540 to A-60)*
- *CSMP reconciliation (A-314)*
- *50 % of the work planned and 50% of the funds (A-240)*
- *RMC Maintenance Strategy Review (Monthly)*
- *80 % of the work planned and funds committed (A-120)*
- *100% O and I Planned (A-120)*
- *100% Work Identified (A-75)*
- *Work Item Planning Complete (A-60)*
- *Work Package Integration Review (A-30)*

Ship's Availability Organization

- *Functional Billets for the Ship's Availability*
  - *Availability Coordinator*
  - *Ship System Experts (SSEs)*
  - *Special Team Leaders*
  - *QA/QC Management*



Best Practice

Ship's Availability Organization

- Ship's Availability Coordinator
  - Primary Duty Assignment for Availability
  - Strong Technical Background
  - Positively Interacts with Others
    - Ship's Force
    - Maintenance Team
    - SUPSHIP, contractor
  - Must Be An Effective Administrator

CO's Department Head for Availability

Ship's Availability Organization

- *Ship System Expert*

  CO's "eyes & ears" on the deckplate watching over work progress and quality

CNSL BEST PRACTICE

Formalizes an established practice and provides guidelines for effective use

Ship System Expert

Selection Criteria

General

Little Supervision Needed

Unable to be Coerced

Well Organized

Special

Holds Special NECs

Watch Station Quals

Prior Experience

Ship System Expert

Training & Certification

QA Training

Work Item Reviews

Specifications

Drawings

Standard Items

Train
Qualify
Certify

Review SSE's Knowledge

Verify Schedule Rqmts

CO Participation

Formally Certify

Service Record Entry

Specific Job Assignments

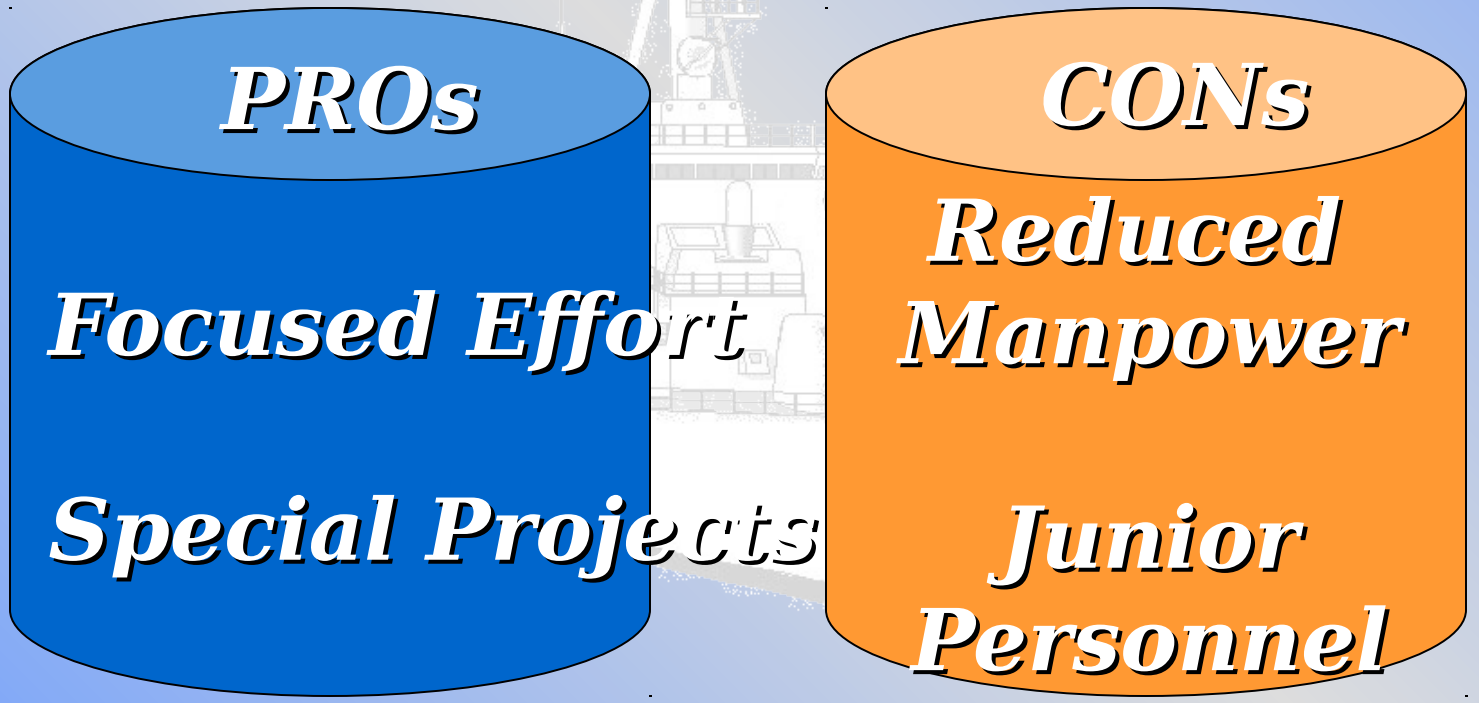
Authorized as CO's Rep

Ship System Expert

- *Duties And Responsibilities*
  - *Monitor Work Item Progress*
  - *Observe All Check Points & Tests*
  - *Maintain Shipyard Conformance to Standard Items*
  - *Visit Off-Site Work Shops*
  - *Progress Reports to Availability Coordinator, Div Off, & Dept Head*
  - *Signs for Job Acceptance*

Availability Organization

Using Special Teams

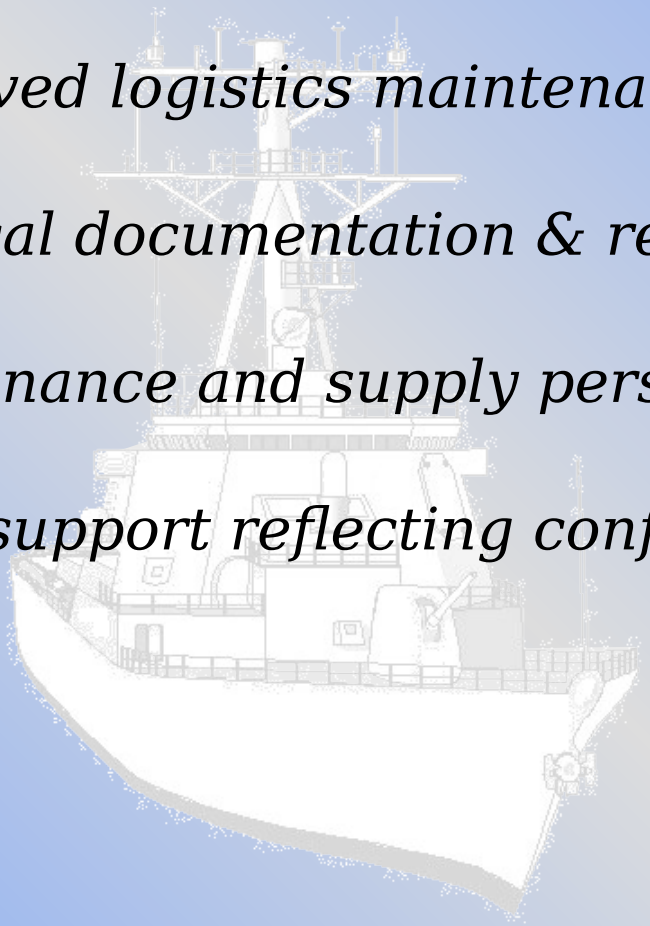


Availability Organization

- Common Special Teams
  - Tanks and Voids
  - Valve Repair
  - Lagging
  - Tile & Deck
  - Ventilation
  - WT Door
  - Paint
- Requirements for use are Declining

Integrated Logistic Overhaul or Review (ILO/ILR)

- *Designed to improved logistics maintenance support*
- *Focuses on technical documentation & repair parts*
- *Trains both maintenance and supply personnel*
- *Results in logistic support reflecting configuration*



ILO/ILR
Five Functional Elements

- *Configuration Analysis and COSAL QA*
- *PMS Analysis*
- *Technical Manual Analysis*
- *Repair Parts Analysis*
- *Integrated Logistics Training*

Execution Management

- *Anticipate environment*
- *Dealing with the shipyard*
- *Know the work*
- *Integrating ship's force work*
- *Monitor execution milestones & key events*
- *Participate in meetings*

Ship Oversight

Command Level

Next Topic
Ship Maintenance Organization
part 4 of 4